



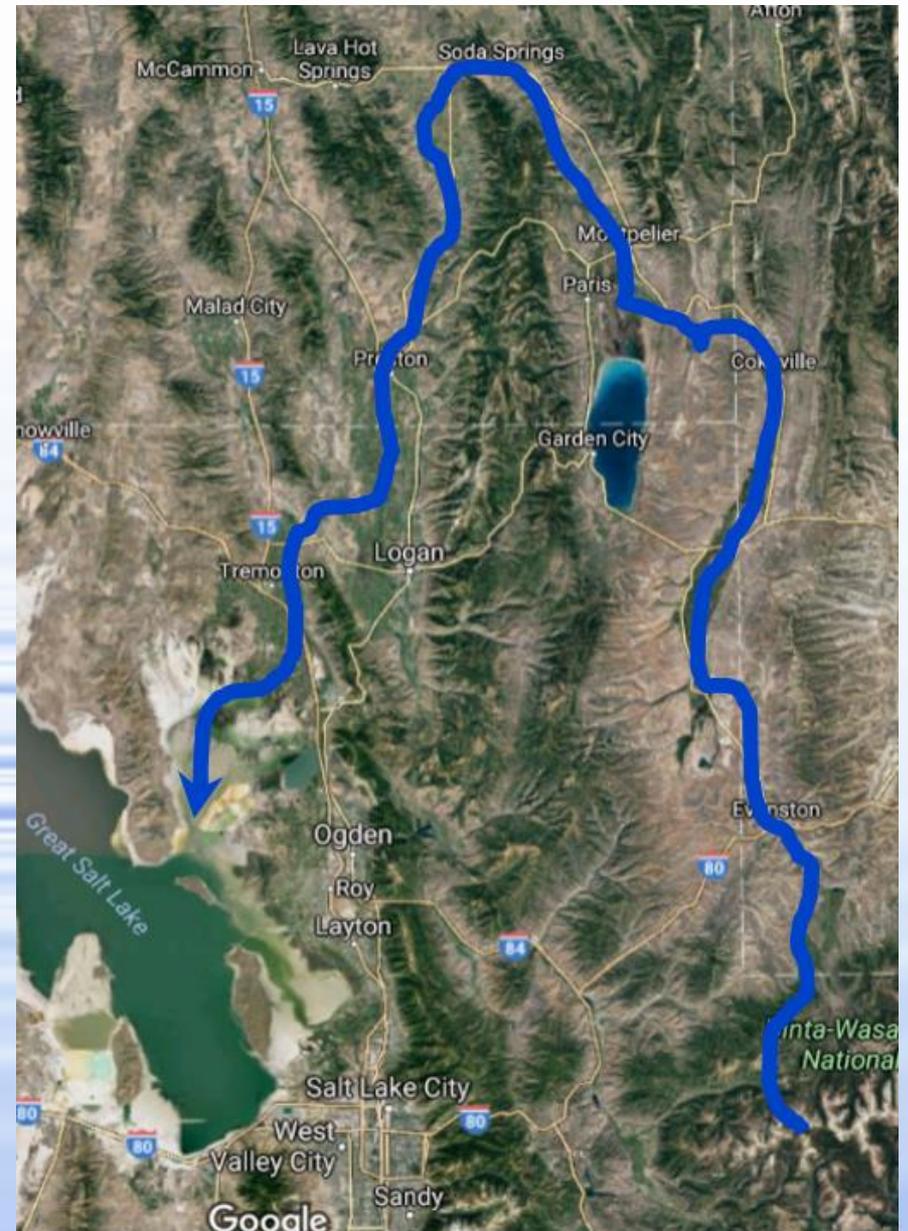
Bear Lake Storage Applications

**Eric Millis – Utah Division of Water Resources
Bear River Compact Commissioner**

**Legislative Water Development Commission
July 17, 2018**

Bear River

- 500 mile long route
- Ends 90 miles from headwaters
- 5 Stateline crossings
- Bear River flows into Mud Lake then can flow into Bear Lake or through the outlet canal back to the River channel
- Bear River Basin - 7,500 mi²
 - 3,300 mi² – Utah
 - 2,700 mi² – Idaho
 - 1,500 mi² - Wyoming



Bear Lake

20 miles long

7 miles wide

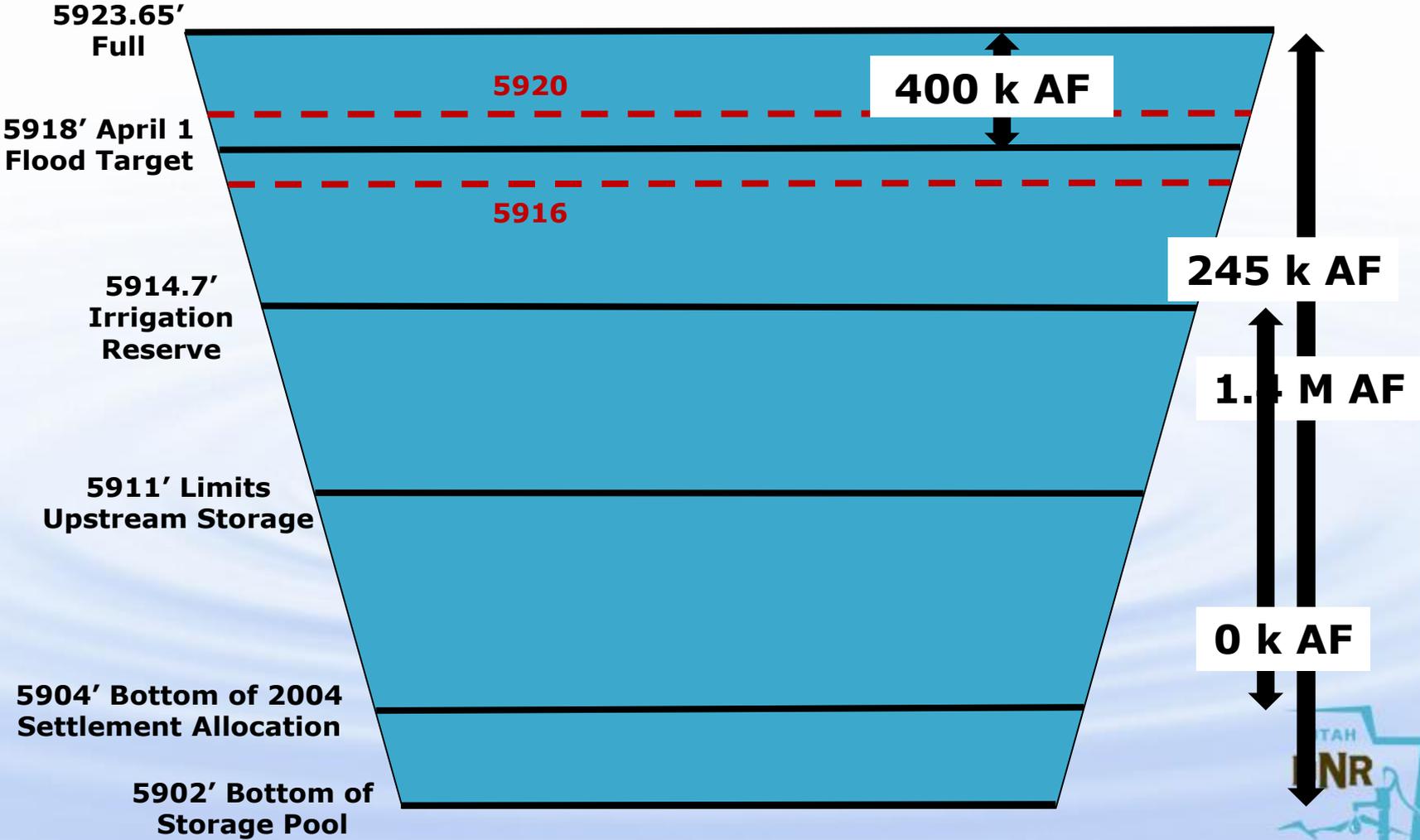
Up to 200 feet deep

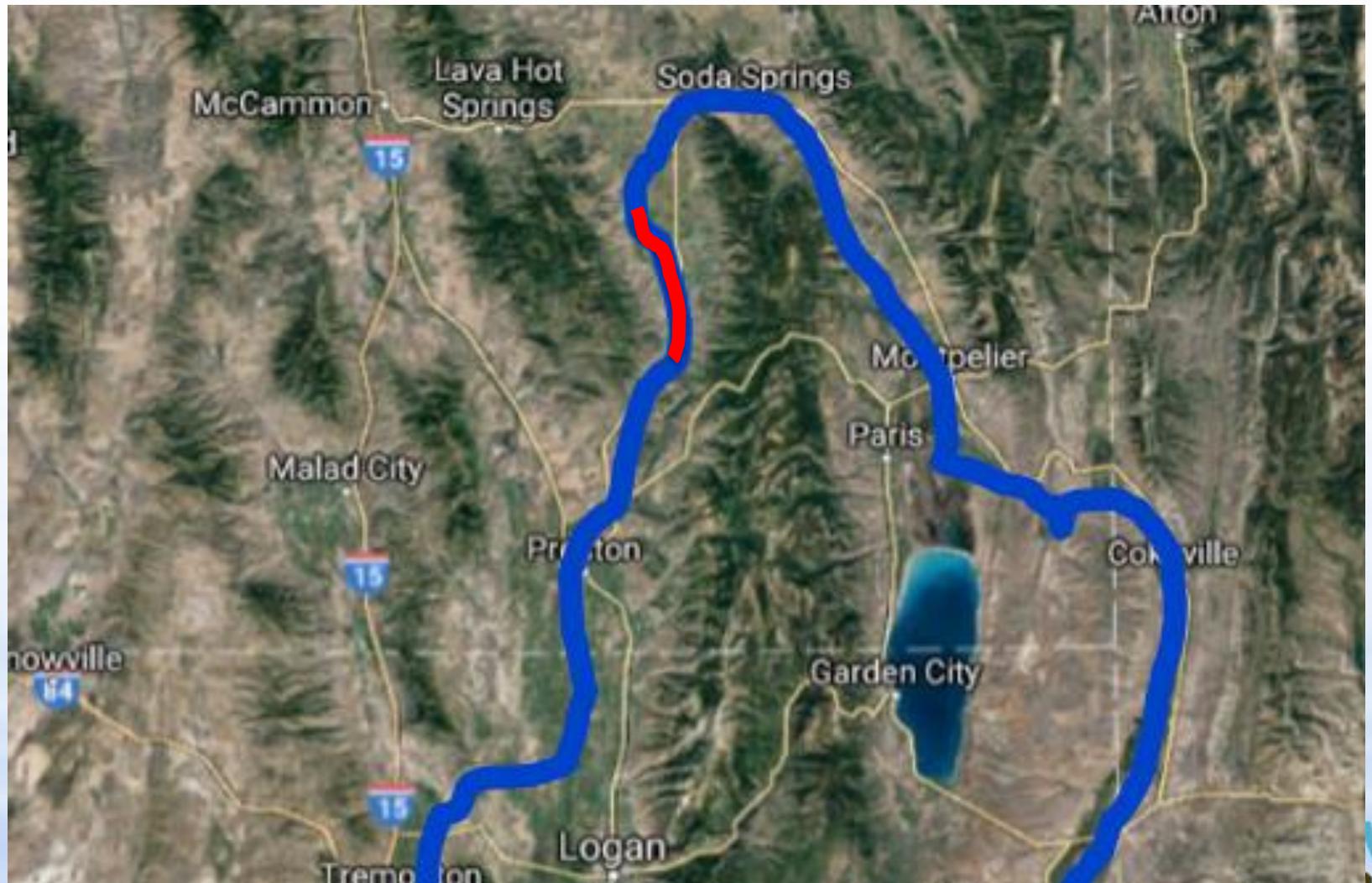
6.5 million acre-feet of capacity

1.4 million acre-feet of storage



Bear Lake Storage Profile





Idaho and Utah jointly filed on March 23

RECEIVED
MAR 23 2018
DEPT OF WATER RESOURCES

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT
To appropriate the public waters of the State of Idaho

1. Name of applicant(s) Idaho Water Resource Bd. & Utah Div. of Water Resources Phone (208) 287-4800
Mailing address 322 E Front Street, PO Box 83720 City Boise
State Idaho ZIP 83720-0098 Email brian.patton@idwr.idaho.gov
2. Name of representative, if any Ann Vonde, Deputy AG Email ann.vonde@ag.idaho.gov
Mailing address PO Box 83720 ZIP 83720-0010

3. Source of water supply: See Attached

4. Location of point(s) of diversion:

Twp	Rge	Sec	Div't	Lat	°	'	County	Source	Local name or tag #
16S	44E	16			NW	NE	Bear Lake	See Attached	B.L. Outlet Canal
15S	44E	16	2		SW	NE	Bear Lake	See Attached	B.L. Outlet Canal
14S	44E	17	5		NE	NW	Bear Lake	See Attached	Outlet Canal Gate
13S	44E	34			SE	NE	Bear Lake	See Attached	Rainbow Canal Inlet

5. Water will be used for the following purposes:
 Amount 2,000 cfs for Diversion to Storage purposes from 10/1 to 7/31 (both dates inclusive)
 Amount 400,000 af for Irrigation Storage purposes from 1/1 to 12/31 (both dates inclusive)
 Amount 400,000 af for Municipal Storage purposes from 1/1 to 12/31 (both dates inclusive)
 Amount 400,000 af for See Attached Supplement purposes from 1/1 to 12/31 (both dates inclusive)
 Amount (cfs or acre-feet per year) for See Attached Supplement purposes from 1/1 to 12/31 (both dates inclusive)

6. Total quantity to be appropriated is (a) 2,000 cubic feet per second (cfs) and/or (b) 400,000 acre-feet per year (af).
 (cfs or acre-feet per year) for See Attached Supplement purposes from 1/1 to 12/31 (both dates inclusive)

7. Proposed diverting works:
 a. Describe type and size of devices used to divert water from the source. See Attached
 b. Height of storage dam feet; active reservoir capacity acre-feet; total reservoir capacity acre-feet. If the reservoir will be filled more than once each year, describe the refill plan in item 12. For Construction or Enhancement of a New or Existing Dam, Application required? Yes No
 Proposed well diameter is inches; proposed depth of well is feet.
 c. Proposed well diameter is inches; proposed depth of well is feet.
 d. Is ground water with a temperature of greater than 85°F being sought? Yes No
 If well is already drilled, when? ; drilling firm ; Drilling Permit No.
 e. If well is drilled for (well owner) ; Date March 23, 2018 Time 1:25 pm Preliminary check by
 Received by Shelley Keen Recaptured by Date March 23, 2018 Receipt No.

FILING FOR WATER IN THE STATE OF UTAH
APPLICATION TO APPROPRIATE WATER

Receipt by: DL 02 332P Fee Rec: \$500.00 Receipt # 18-01425
LA7
8100.00
18-01456

1. *PRIORITY OF RIGHT: 23-2972

2. *OWNER INFORMATION
 Name(s): Utah Division of Water Resources & Idaho Water Resource Board
 Address: 1804 W North Temple, Suite 310
 City: Salt Lake City
 Phone Number: 801-538-7230
 Is the land owned by the applicant? Yes No State: Utah
 COUNTY Tax ID: Interest: %
 Zip Code: 84118

3. QUANTITY OF WATER: 2,000 cfs and/or 400,000 ac-ft.
 SOURCE: See attached (a.) (If "No", please explain in EXPLANATORY section)
 which is tributary to cfs and/or 400,000 ac-ft.
 POINT(S) OF DIVERSION: ac-ft.
Bear Lake Outlet Canal
 DRAINAGE:
 COUNTY: Bear Lake

4. COMMON DESCRIPTION:
 Description of Diverting Works:
 The water will be diverted from to at a point(s)
 See attached (b.)

5. POINT(S) OF REDIVERSION:
 The water will be rediverted from to at a point(s)
 See attached (c.)

6. POINT(S) OF RETURN:
 The water will be returned to the natural stream/source at a point(s) at a point(s)
 Description of Diverting Works:

7. STORAGE
 Reservoir Name: Bear Lake
 Capacity: 400,000
 Height of dam: feet
 Legal description of inundated area by 40 acre tract(s): to 1221 ac-ft.

*These items are to be completed by the Division of Water Rights

RECEIVED
MAR 23 2018
MD WATER RIGHTS SALT LAKE
Appropriate



Have asked the Idaho and Utah State Engineers to not process the applications until we have had time to discuss them with the three states, Pacificorp and stakeholders



States and Pacificorp

- Discussing goals
 - Wyoming
 - Idaho
 - Utah
 - Pacificorp
- Discussing stakeholder input
- Want to achieve win-win-wins +
- Build a comprehensive model

Joint ID & UT Goals of Application

- **Supplemental irrigation water supply**
- **Stabilize Bear Lake levels**
- **Additional power potential – spinning reserves**
- **Water for recharge areas**
- **Protect recreation & environmental concerns**
- **Benefit Great Salt Lake**
- **Want Win-win-win+ solutions**

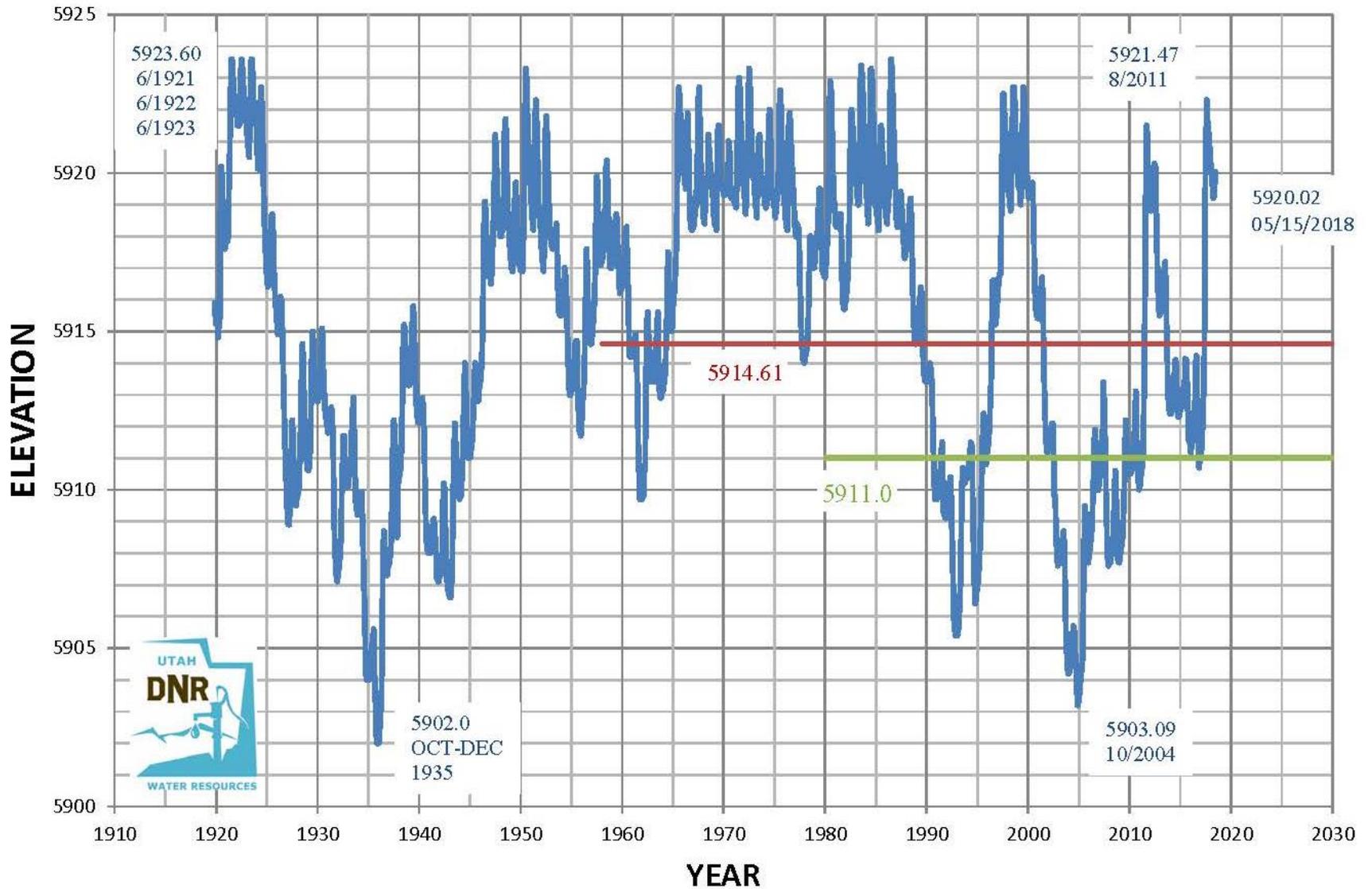
Meeting with Stakeholders

- Bear Lake Interests
- Great Salt Lake Interests
- Bear River Interests
- Mineral Companies
- Birders and Hunters
- State and Federal Agencies and USU
- Irrigators
- Water Conservancy Districts

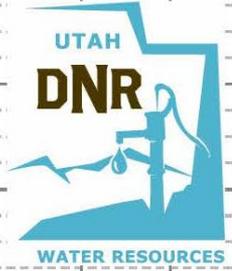
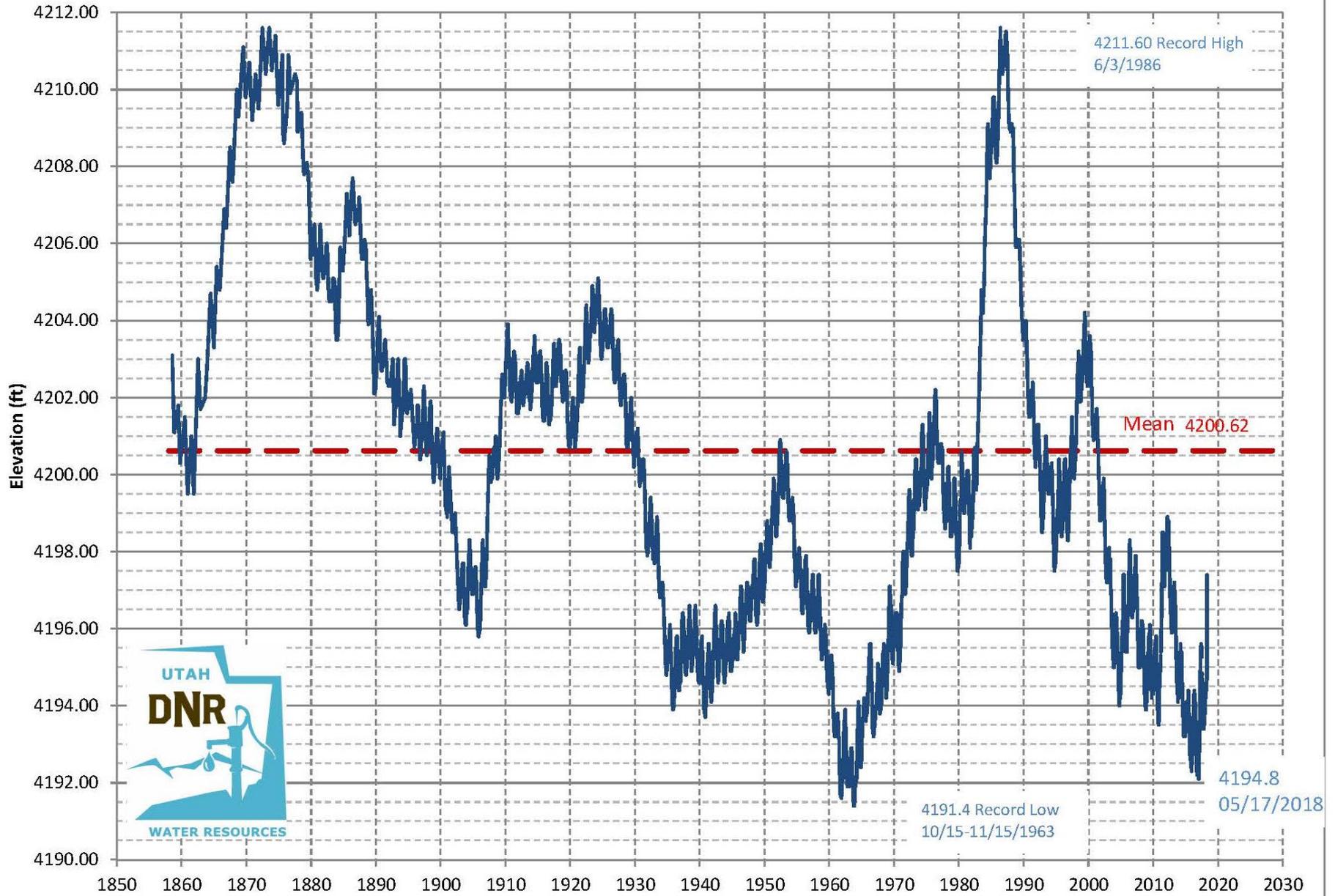


Bear Lake Elevations

— Lake Elevation — Irrigation Reserve — Upstream Storage Restrictions



Great Salt Lake South Arm Elevations



**These applications are
not associated with the
state's Bear River
Development Project**





The End Thanks!

Eric Millis, Director
Division of Water Resources

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E-mail: ericmillis@utah.gov

